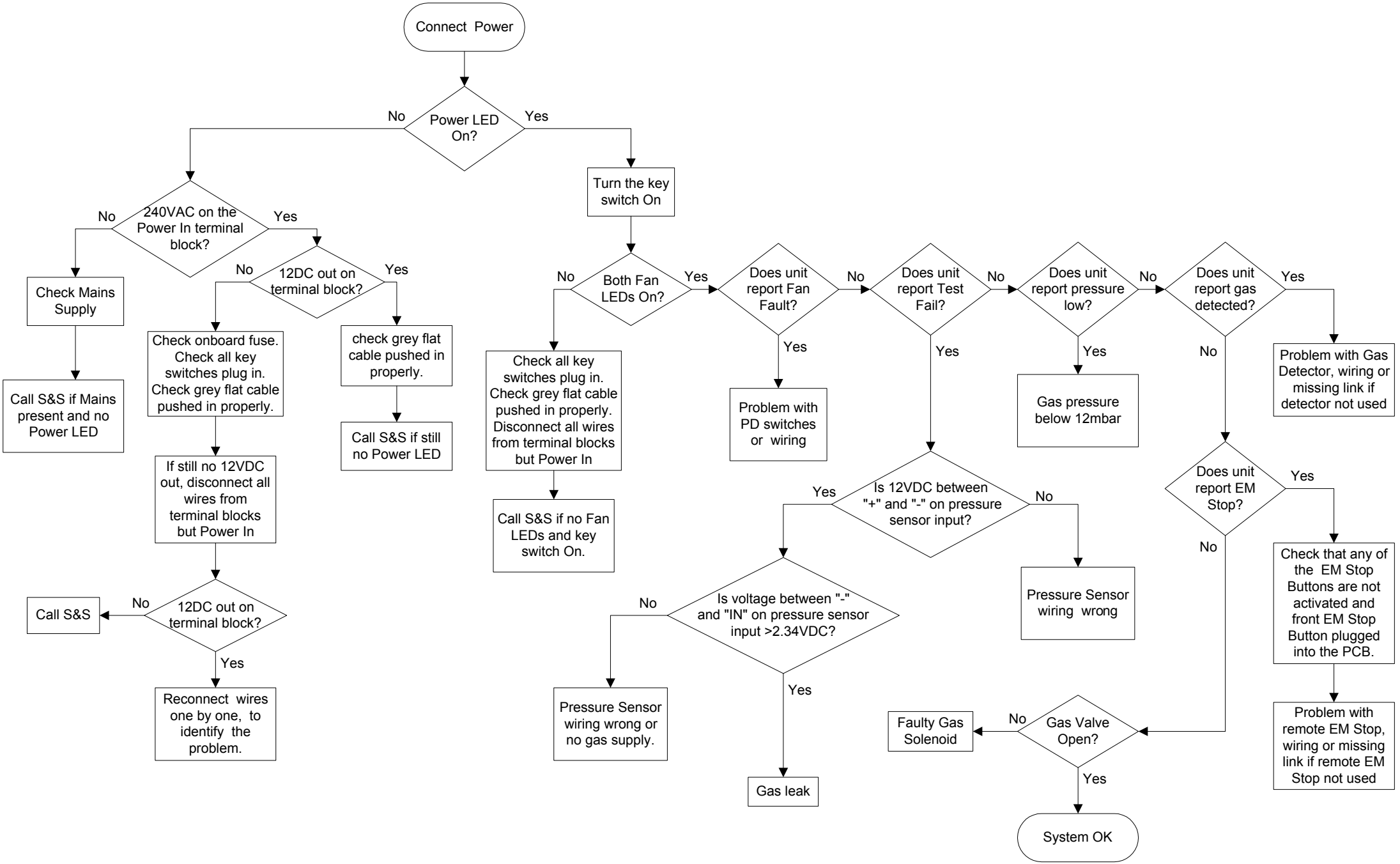
CT2000GD Troubleshooting Flow Chart


Connect Power
Power LED On?
No
Yes
240VAC on the Power In terminal block?
No
Yes
Check Mains Supply
Call S&S if Mains present and no Power LED
12DC out on terminal block?
No
Yes
Check onboard fuse. Check all key switches plug in. Check grey flat cable pushed in properly.
If still no 12VDC out, disconnect all wires from terminal blocks but Power In
12DC out on terminal block?
No
Call S&S
Yes
Reconnect wires one by one, to identify the problem.
check grey flat cable pushed in properly.
Call S&S if still no Power LED
Turn the key switch On
Both Fan LEDs On?
No
Yes
Check all key switches plug in. Check grey flat cable pushed in properly. Disconnect all wires from terminal blocks but Power In
Call S&S if no Fan LEDs and key switch On.
Does unit report Fan Fault?
Yes
Problem with PD switches or wiring
Does unit report Test Fail?
No
Yes
Is 12VDC between "+" and "-" on pressure sensor input?
Yes
No
Is voltage between "-" and "IN" on pressure sensor input >2.34VDC?
No
Yes
Pressure Sensor wiring wrong or no gas supply.
Gas leak
Pressure Sensor wiring wrong
Does unit report pressure low?
No
Yes
Gas pressure below 12mbar
Does unit report gas detected?
No
Yes
Problem with Gas Detector, wiring or missing link if detector not used
Does unit report EM Stop?
No
Yes
Check that any of the EM Stop Buttons are not activated and front EM Stop Button plugged into the PCB.
Problem with remote EM Stop, wiring or missing link if remote EM Stop not used
Gas Valve Open?
No
Yes
Faulty Gas Solenoid
System OK